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Streamflow Forecast Summary: May 1, 2021
(averages based on 1981-2010 reference period)

Lake Tahoe Basin	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment						
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Marlette Lake Inflow ²	APR-JUL	-80	0	90	11%	260	500	830
	MAY-JUL	-400	-170	-40	-7%	150	430	540
Lake Tahoe Rise Gates Closed ¹	APR-HIGH	0.07	0.16	0.2	15%	0.27	0.4	1.31
	MAY-HIGH	0.02	0.07	0.13	12%	0.22	0.42	1.08
Lake Tahoe Net Inflow ²	APR-JUL	-66	-41	-24	-17%	-6.3	19.3	144.6
	MAY-JUL	-73	-47	-30	-29%	-13.2	12	105

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

Truckee River Basin	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment						
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Donner Lake Inflow ²	APR-JUL	0.94	3.2	4.8	27%	6.4	8.7	17.84
	MAY-JUL	0	0.37	1.5	12%	2.9	4.9	12.24
Martis Ck Res Inflow ²	APR-JUL	0.09	0.54	1.7	18%	2.9	4.6	9.39
	MAY-JUL	0	0.11	0.8	14%	2.1	4	5.66
Prosser Ck Res Inflow ²	APR-JUL	5.7	10	12.9	30%	15.8	20	42.84
	MAY-JUL	0.91	4.9	7.5	24%	10.2	14.2	30.84
Independence Lk Inflow ²	APR-JUL	1.33	2.7	3.6	30%	4.5	5.9	12.1
	MAY-JUL	0.31	1.51	2.3	23%	3.1	4.3	9.88
Sagehen Ck nr Truckee	APR-JUL	1.1	1.22	1.3	23%	1.39	1.53	5.6
	MAY-JUL	0.64	0.73	0.8	19%	0.87	0.99	4.2
Stampede Res Local Inflow ²	APR-JUL	0.77	8.7	15	20%	21	31	76.5
	MAY-JUL	0	1.63	8	15%	15.5	27	54.47
L Truckee R ab Boca Reservoir ²	APR-JUL	10.5	14.3	18	20%	25	35	88
	MAY-JUL	2	4.8	8	13%	17.7	32	62
Boca Res Local Inflow ²	APR-JUL	-2.2	-1.02	-0.22	-4%	1.3	3.7	5.5
	MAY-JUL	-1.5	-1.02	-0.66	-33%	0.18	1.22	2.02
Truckee R at Farad ²	APR-JUL	39	61	78	31%	95	121	255
	MAY-JUL	2.2	25	41	22%	57	80	183
Truckee R ab Farad Sidewater ²	APR-JUL	12.4	26	34	31%	43	57	108.09
	MAY-JUL	0.08	11.8	19.7	24%	28	39	82.14
Galena Ck at Galena Ck State Pk	APR-JUL	0.09	0.68	1.26	29%	1.84	2.7	4.37
	MAY-JUL	0.04	0.37	0.8	22%	1.23	1.86	3.65
Steamboat Ck at Steamboat	APR-JUL	0.34	0.48	0.72	9%	1.13	2.1	7.7
	MAY-JUL	0.02	0.16	0.4	7%	0.8	1.8	5.9

Pyramid Lake Elevation Change ¹	LOW-HIGH	-3.2	-1.95	-1.4	-82%	-0.85	0.37	1.7
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 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
Carson River Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
EF Carson R nr Gardnerville	APR-JUL	8	44	68	37%	92	128	186
	MAY-JUL	10	32	47	31%	63	85	151
	200 cfs	03 Jun	11 Jun	16 Jun		21 Jun	29 Jun	25 Jul
	500 cfs	14 May	23 May	29 May		04 Jun	13 Jun	01 Jul
WF Carson R nr Woodfords	APR-JUL	0.54	8.1	13.7	25%	19.3	27	54
	MAY-JUL	0	2.2	8	19%	13.8	22	42
Carson R nr Carson City	APR-JUL	29	38	45	25%	53	65	179
	MAY-JUL	13.8	25	35	24%	46	66	144
Marlette Lake Inflow ²	APR-JUL	-80	0	90	11%	260	500	830
	MAY-JUL	-400	-170	-40	-7%	150	430	540
Kings Canyon Ck nr Carson City	APR-JUL	0	0	0.06	16%	0.16	0.39	0.38
	MAY-JUL	0	0	0.02	7%	0.11	0.28	0.27
Ash Canyon Ck nr Carson City	APR-JUL	0.01	0.17	0.36	32%	0.55	0.83	1.12
	MAY-JUL	0	0.04	0.2	22%	0.36	0.59	0.91
Carson R at Ft Churchill	APR-JUL	7.5	12	19	11%	34	50	171
	MAY-JUL	0.4	4.1	11.9	9%	29	55	138

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Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
Walker River Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
E Walker R nr Bridgeport ²	APR-AUG	0	2	13.1	19%	27	56	68
	MAY-AUG	0	1.65	11	20%	28	48	55
W Walker R bl L Walker R nr Coleville	APR-JUL	34	52	64	40%	76	94	162
	MAY-JUL	15.2	35	49	35%	63	83	142
W Walker R nr Coleville	APR-JUL	42	58	69	42%	80	96	163
	MAY-JUL	28	44	56	39%	68	84	143
Walker Lake Elevation Change ¹	LOW-HIGH	-1.66	-0.68	0.01	1%	0.59	1.69	1.41

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Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
Northern Great Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
	McDermitt Ck nr McDermitt							
		APR-JUL	1.66	3.1	4.4	34%	5.9	8.5
		MAY-JUL	0.66	1.57	2.4	33%	3.4	5.2
								7.2

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3) Median value used in place of average

Upper Humboldt River Basin	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment						
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Marys R nr Deeth	APR-JUL	-0.58	6.2	10.8	30%	15.4	22	36
	MAY-JUL	0.78	3.8	8.3	32%	12.8	19.4	26
Lamoille Ck nr Lamoille	APR-JUL	5.2	10.5	14	48%	17.5	23	29
	MAY-JUL	4.3	9.6	13.2	49%	16.8	22	27
NF Humboldt R at Devils Gate	APR-JUL	0	0.96	4.2	13%	10.2	19	32
	MAY-JUL	0	0.19	2.6	13%	7.3	12.2	19.3
Humboldt R nr Elko	APR-JUL	0	6.1	28	21%	50	82	133
	MAY-JUL	3	7.1	25	25%	44	72	101
SF Humboldt R ab Dixie Ck	APR-JUL	1.98	15.5	26	39%	37	52	66
	MAY-JUL	2.3	13.9	25	44%	36	52	57
Humboldt R nr Carlin	APR-JUL	8.2	29	49	24%	69	98	206
	MAY-JUL	6.4	25	45	28%	66	96	161
Humboldt R at Palisade	APR-JUL	4.5	26	62	28%	98	150	225
	MAY-JUL	5.1	23	56	33%	89	138	171

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3) Median value used in place of average

APR-JUL	0	3.6	14.9	8%	65	140	178
MAY-JUL	0	4	13.3	10%	47	102	133

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Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
Snake River Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Salmon Falls Ck nr San Jacinto								
	MAY-JUL	7.6	13.7	18.9	39%	25	35	49
	MAY-SEP	9.3	16.1	22	42%	28	39	53

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 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
Owyhee River Basin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Owyhee R nr Gold Ck ²								
	MAY-JUL	0	0	0.34	4%	1.21	3.5	9.6

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Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
Eastern Nevada	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Kingston Ck nr Austin								
	APR-JUL	1.06	1.74	2.3	64%	2.9	4	3.6
	MAY-JUL	0.73	1.36	1.9	61%	2.5	3.6	3.1
Steptoe Ck nr Ely								
	APR-JUL	0.46	0.66	0.81	34%	0.98	1.26	2.4
	MAY-JUL	0.34	0.51	0.64	30%	0.78	1.02	2.1
Cleve Ck nr Ely								
	APR-JUL	0.79	1.19	1.5	34%	1.85	2.4	4.41
	MAY-JUL	0.57	0.91	1.2	33%	1.52	2.1	3.66
Lehman Ck nr Baker								
	APR-JUL	0.08	0.24	0.7	26%	1.16	1.84	2.72
	MAY-JUL	0.03	0.14	0.6	23%	1.06	1.73	2.61

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 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
Spring Mountains & Southern Nevada	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Virgin R nr Hurricane	APR-JUL	0	1.29	12	19%	23	38	63

	MAY-JUL	1.23	3.7	9	22%	16.9	28	41
Virgin R at Littlefield	APR-JUL	1.3	5.2	15.8	24%	26	42	65
	MAY-JUL	0.86	4.3	10	23%	18.5	31	43
Lake Powell Inflow ²	APR-JUL	1270	1680	1990	28%	2330	2900	7160
	MAY-JUL	985	1390	1700	28%	2040	2610	6100

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3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
State of Nevada & Eastern Sierra	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)

Marlette Lake Inflow ²	APR-JUL	-80	0	90	11%	260	500	830
	MAY-JUL	-400	-170	-40	-7%	150	430	540
Lake Tahoe Rise Gates Closed ¹	APR-HIGH	0.07	0.16	0.2	15%	0.27	0.4	1.31
	MAY-HIGH	0.02	0.07	0.13	12%	0.22	0.42	1.08
Lake Tahoe Net Inflow ²	APR-JUL	-66	-41	-24	-17%	-6.3	19.3	144.6
	MAY-JUL	-73	-47	-30	-29%	-13.2	12	105
Donner Lake Inflow ²	APR-JUL	0.94	3.2	4.8	27%	6.4	8.7	17.84
	MAY-JUL	0	0.37	1.5	12%	2.9	4.9	12.24
Martis Ck Res Inflow ²	APR-JUL	0.09	0.54	1.7	18%	2.9	4.6	9.39
	MAY-JUL	0	0.11	0.8	14%	2.1	4	5.66
Prosser Ck Res Inflow ²	APR-JUL	5.7	10	12.9	30%	15.8	20	42.84
	MAY-JUL	0.91	4.9	7.5	24%	10.2	14.2	30.84
Independence Lk Inflow ²	APR-JUL	1.33	2.7	3.6	30%	4.5	5.9	12.1
	MAY-JUL	0.31	1.51	2.3	23%	3.1	4.3	9.88
Sagehen Ck nr Truckee	APR-JUL	1.1	1.22	1.3	23%	1.39	1.53	5.6
	MAY-JUL	0.64	0.73	0.8	19%	0.87	0.99	4.2
Stampede Res Local Inflow ²	APR-JUL	0.77	8.7	15	20%	21	31	76.5
	MAY-JUL	0	1.63	8	15%	15.5	27	54.47
L Truckee R ab Boca Reservoir ²	APR-JUL	10.5	14.3	18	20%	25	35	88
	MAY-JUL	2	4.8	8	13%	17.7	32	62
Boca Res Local Inflow ²	APR-JUL	-2.2	-1.02	-0.22	-4%	1.3	3.7	5.5
	MAY-JUL	-1.5	-1.02	-0.66	-33%	0.18	1.22	2.02
Truckee R at Farad ²	APR-JUL	39	61	78	31%	95	121	255
	MAY-JUL	2.2	25	41	22%	57	80	183
Truckee R ab Farad Sidewater ²	APR-JUL	12.4	26	34	31%	43	57	108.09
	MAY-JUL	0.08	11.8	19.7	24%	28	39	82.14
Galena Ck at Galena Ck State Pk	APR-JUL	0.09	0.68	1.26	29%	1.84	2.7	4.37
	MAY-JUL	0.04	0.37	0.8	22%	1.23	1.86	3.65
Steamboat Ck at Steamboat	APR-JUL	0.34	0.48	0.72	9%	1.13	2.1	7.7

	APR-JUL	0	0.89	3	16%	5.2	8.2	18.2
	MAY-JUL	0	0.81	2.9	30%	5	8.1	9.8
Humboldt R at Comus								
	APR-JUL	0	6.4	25	12%	61	113	213
	MAY-JUL	0	4.7	21	13%	50	93	156
L Humboldt R nr Paradise Valley								
	APR-JUL	3.1	5	6.3	65%	7.6	9.6	9.7
	MAY-JUL	0.98	2.9	4.2	55%	5.5	7.4	7.6
Martin Ck nr Paradise Valley								
	APR-JUL	1.47	6.3	9.6	55%	12.9	17.7	17.5
	MAY-JUL	0.49	3.9	7.2	59%	10.5	15.3	12.2
Humboldt R nr Imlay								
	APR-JUL	0	3.6	14.9	8%	65	140	178
	MAY-JUL	0	4	13.3	10%	47	102	133
Salmon Falls Ck nr San Jacinto								
	MAY-JUL	7.6	13.7	18.9	39%	25	35	49
	MAY-SEP	9.3	16.1	22	42%	28	39	53
Owyhee R nr Gold Ck ²								
	MAY-JUL	0	0	0.34	4%	1.21	3.5	9.6
Kingston Ck nr Austin								
	APR-JUL	1.06	1.74	2.3	64%	2.9	4	3.6
	MAY-JUL	0.73	1.36	1.9	61%	2.5	3.6	3.1
Cleve Ck nr Ely								
	APR-JUL	0.79	1.19	1.5	34%	1.85	2.4	4.41
	MAY-JUL	0.57	0.91	1.2	33%	1.52	2.1	3.66
Lehman Ck nr Baker								
	APR-JUL	0.08	0.24	0.7	26%	1.16	1.84	2.72
	MAY-JUL	0.03	0.14	0.6	23%	1.06	1.73	2.61
Virgin R nr Hurricane								
	APR-JUL	0	1.29	12	19%	23	38	63
	MAY-JUL	1.23	3.7	9	22%	16.9	28	41
Virgin R at Littlefield								
	APR-JUL	1.3	5.2	15.8	24%	26	42	65
	MAY-JUL	0.86	4.3	10	23%	18.5	31	43
Lake Powell Inflow ²								
	APR-JUL	1270	1680	1990	28%	2330	2900	7160
	MAY-JUL	985	1390	1700	28%	2040	2610	6100

1) 90% and 10% exceedance probabilities are actually 95% and 5%

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3) Median value used in place of average